

Claims:

1. An unmemory cold deformable plastic object prepared by drawing.
2. The object according to claim 1 being a bendable and twistable wire or
5 tape for tying, a collapsible hollow tube for packing, or a thin rod for supporting.
3. The object according to claim 1 prepared by drawing a semi-crystalline or
crystalline thermoplastic intermediate at a temperature lower than its melting point
to an extent so that said intermediate loses its elasticity substantially.
- 10 4. The object according to claim 3, wherein said intermediate is drawn at
room temperature or an elevated temperature to a length which is 1.5 to 50 times
of its original length.
- 15 5. The object according to claim 4, wherein said intermediate is drawn to a
length which is 5 to 30 times of its original length.
6. The object according to claim 3, wherein said intermediate is drawn at a
speed ranging from 10 mm/min to 5000 mm/min.
- 20 7. The object according to claim 6, wherein said intermediate is drawn at a
speed ranging from 50 mm/min to 1000 mm/min.
8. The object according to claim 7, wherein said intermediate is drawn at a
25 speed ranging from 100 mm/min to 500 mm/min.
9. The object according to claim 3, wherein said intermediate comprises a
homopolymer of an ethylenically unsaturate monomer.
- 30 10. The object according to claim 9, wherein said homopolymer is
polyethylene, polypropylene or poly(vinyl chloride).

11. The object according to claim 3, wherein said intermediate comprises a copolymer or a terpolymer of two or more ethylenically unsaturate monomers.

12. The object according to claim 3, wherein said intermediate comprises a
5 polymer selected from the group consisting of polyamide, polycarbonate, polyethylene terephthalate and polybutylene terephthalate.

13. The object according to claim 3, wherein said intermediate is biodegradable.

10

14. A method for making an unmemory cold deformable plastic object comprising drawing a semi-crystalline or crystalline thermoplastic intermediate at a temperature lower than its melting point to an extent so that said intermediate loses its elasticity substantially.

15

15. The method according to claim 14, wherein said intermediate is drawn at room temperature or an elevated temperature to a length which is 1.5 to 50 times of its original length.

20

16. The method according to claim 15, wherein said intermediate is drawn to a length which is 5 to 30 times of its original length.

17. The method according to claim 14, wherein said intermediate is drawn at a speed ranging from 10 mm/min to 5000 mm/min.

25

18. The method according to claim 17, wherein said intermediate is drawn at a speed ranging from 50 mm/min to 1000 mm/min.

19. The method according to claim 18, wherein said intermediate is drawn at
30 a speed ranging from 100 mm/min to 500 mm/min.

TOP SECRET

20. The method according to claim 14, wherein said intermediate comprises a homopolymer of an ethylenically unsaturate monomer.

21. The method according to claim 20, wherein said homopolymer is
5 polyethylene, polypropylene, or poly(vinyl chloride).

22. The method according to claim 14, wherein said intermediate comprises a copolymer or terpolymer of two or more ethylenically unsaturate monomers.

10 23. The method according to claim 14, wherein said intermediate comprises a polymer selected from the group consisting of polyamide, polycarbonate, polyethylene terephthalate and polybutylene terephthalate.

24. The method according to claim 14, wherein said intermediate is
15 biodegradable.

25. A method for tying objects comprising ~~packing said objects with an~~
unmemory cold deformable wire or tape having a suitable length prepared
according to the method defined in any one of claims 14 to 24; and contacting and
20 twisting two ends of said unmemory cold deformable wire or tape having a
suitable length.